

# New York State Department of Transportation

## Yellow Flag NB2222W010

By: Sahadeo Bhagwandin  
Flag Date: March 30, 2022

Superseding Information:  
This flag supersedes: YF NB2197W040

### Structure Information

**BIN: 1065318**  
**Feature Carried:** 278I278IX2M23027  
**Feature Crossed:** 6TH AVENUE  
**Orientation:** 8 - NORTHWEST  
**Region:** 11 - NEW YORK CITY  
**County:** KINGS  
**Political Unit:** City of NEW YORK  
**Approximate Year Built:** 1962  
**Posted Load Matches Inventory :** Yes  
**Bridge Load Posting (Tons) :** Not Posted for Load  
**Primary Owner:** New York State Department of Transportation  
**Primary Maintenance Responsibility:** 12 - State - Subcontracted to another Party  
**Typical or Main Span Type:** 3 - Steel, 02 - Stringer/Multi-Beam or Girder  
This Bridge is not a Ramp  
**Number of Spans:** 322

### Verbal Notification Information

**Person Notified:** Heinz Joachim, P.E.  
**Date:** March 30, 2022 10:00:00 AM  
**Of:** NYSDOT Region 11

### Signature Information

**Signature:** Sahadeo Bhagwandin, P.E. 088239-1  
**Date:** April 13, 2022  
**Reviewed By:** Robert Kemp  
**Date:** April 13, 2022

**Attachments:** 6

**Flagged Elements**

Parent Element	Element	Total Quantity	Unit
<b>Span Number : 253</b>			
	107 - Steel Open Girder/Beam	989	ft
	PR831 - Steel Beam End	42	each

**Flagged Condition Description**

This Yellow Flag NB2222W010 supersedes flag NB2197W040

Location: Span 253, Girder G4 at Pier 253

Description: The web of Girder G4 exhibits a 4.5" long diagonal (almost horizontal) crack at the top cope (no change from the previous inspection). The affected member, Girder G4, is a load path redundant built-up steel girder consisting of varying web depth x 3/8" thick and two equal leg angles (L 5" x 5" x 1/2") for the top and bottom flanges. The spacing between Girder G4 and G5 is 3'-9.75" on center and 6'-11" on center from G3.

This flagged condition has not changed since the last inspection.

Notes:

- 1.No deformation was observed in any part of Girder G4 connection to Pier 253 cap beam.
- 2.The adjacent Girders G3 and G5 are in good conditions.
- 3.Left lane closure at 3rd Avenue in Westbound travel direction between 21st and 22nd Streets, and a 35' bucket truck are required to access this location.

**Flag Photographs**

Photo Number: 1

Photo Filename: Photo 1-4709 edited.jpg



**Attachment Description:** Span 253, Girder G4 at Pier 253 - General View of flagged location. Looking End Right.

Photo Number: 2

Photo Filename: Photo 2-4707 edited.jpg



**Attachment Description:** Span 253, Girder G4 left face at Pier 253 - Overall view of flagged location. Looking End Right.



Photo Number: 3

Photo Filename: Photo 3-4693 edited.jpg



**Attachment Description:** Span 253, Girder G4 left face at Pier 253 – Close up view of diagonal crack measured at 4-1/4 long at the top cope of the web - before dye test. Looking Right.

Photo Number: 4

Photo Filename: Photo 4-4704 edited.jpg



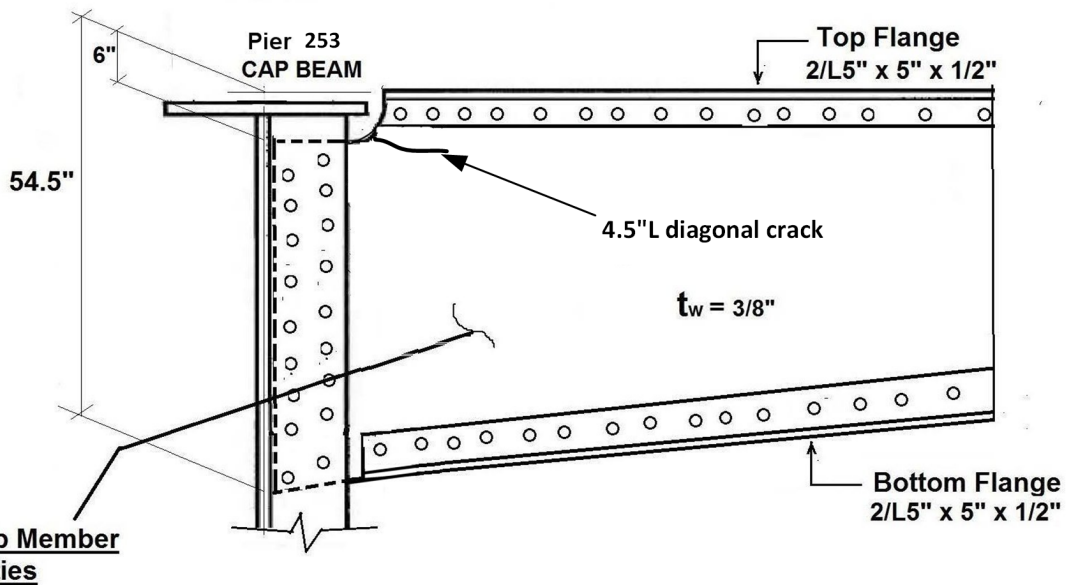
**Attachment Description:** Span 253, Girder G4 right face at Pier 253 – Close-up view of diagonal crack measured at 4-1/2" long at the top cope of the web - after dye test. Looking Right.

Photo Number: 5

Photo Filename: 21\_Yellow Flag NB2197W040 Sketch 2.png

**BIN 1065318**  
**DATE: 03/30/2022**

## Yellow Flag



Varying depth web: 54.5" b-to-b Ls @ Piers 252 and 253 and 33" @ midspan

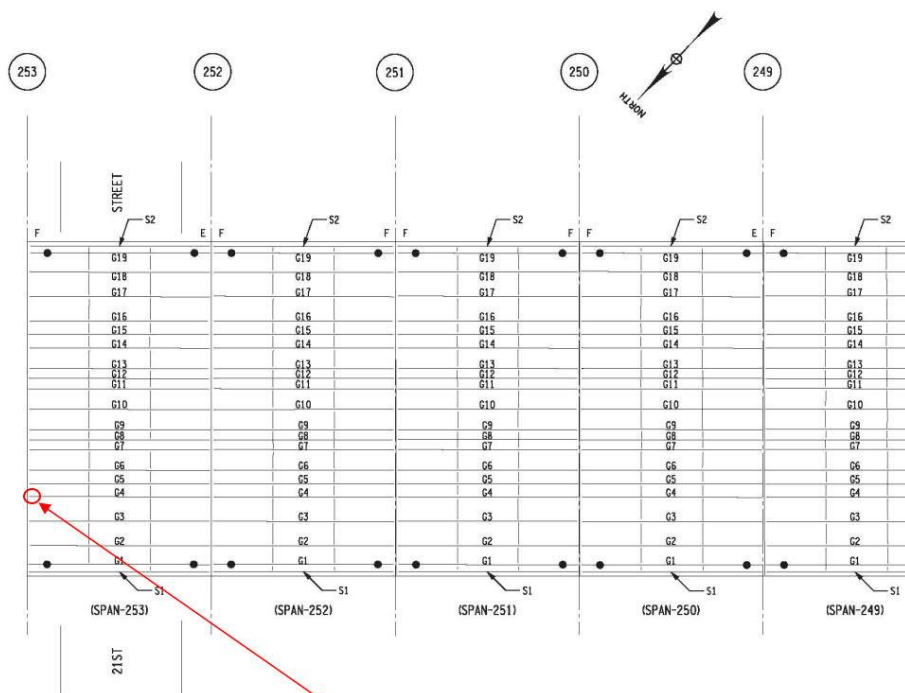
Web thickness = 3/8"

Bottom and Top Flanges are two equal leg angles L 5" x 5" x 1/2"

**Span 253, Girder G4 at Pier 253****(Looking Right)****N.T.S.****Attachment Description: SN 253 G4 at Pier 253 Sketch**

Photo Number: 6

Photo Filename: SN253\_G4\_Framing Plan-edit.jpg



**YELLOW FLAG  
LOCATION**  
**No. NB2222W010**

**Attachment Description: SN 253 G4 at Pier 253 Framing Plan**